

Abstract

A full hybrid electric car capable of decreasing an environmental pollution and an operation cost as well as a production cost through an increase in heat efficiency of the engine of a vehicle and a reduction in weight of the vehicle, wherein an AC generator (2) is driven by a prime mover (1) to feed an electric power to AC motors (12) and the vehicle is run by the AC motors (12) installed on the wheels of the vehicle or supplementary driven by a DC motor (3) through gears, a steering structure is abolished by the adjustment of the rotational speed of the wheels, the motors of the wheels are controlled by detecting the intention of an operator on a gyrocompass and an accelerometer, or the upper limit values of the rotational speeds of the wheels are set for safety.